BRUHAT BANGALORE MAHANAGARA PALIKE

YELHANKA ZONE ELECTRICAL DIVISION

Name of work :- Maintenance including electrification to connected roads to international Airport Road in Ward no 1,5&7

Budget Head .....

Division No..... Estimate No. ..... For Rs. **1000000.00**

Sl.No.	SR Page & SL No	Description of Work	Qty.	Rate Rs.	Unit	Amount
1	56/7.6.2	Supplying of 1.1KV grade Aerial Bunched Cable Stranded & Compacted Aluminum Phase Conductor, and Stranded Messenger Conductor with all aluminum Alloy, Phase Conductor is insulated with XLPE Compound, insulated Messenger with specified IS-14255:1995 & confirming to GTP of GROUP-A.3 X 16 + 1 X 25 SQ.MM	2000	115.00	Per Mtr	230000.00
2	56/7.6.5	3 X 25 + 1 X 25 + 1 X 16 SQ.MM	30	177.00	Per Mtr	5310.00
3	Bes SR	Stringing of 1.1kv LT Arial Bunched Cable, BESCOM SR	2030	10.30	Per Mtr	20909.00
4	12/2.12.1	Wiring for lighting/power circuit using one of PVC insulated 1100v grade stranded **Aluminium** unsheathed wire single core/multi core cable in open or consealed system of wiring. a)4 sqmm.	105	7.50	Each	787.50
5	55/7.4.5	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanished, steel wire/steel tap armoured cable with PVC outer sheating 1.1 KV class.I. Class 'A' PVC Cable. 3.5 core 25 sqmm4 core 16 sqmm	200	140.40	Per Mtr	28080.00
6		3.5 core 25 sqmm	150	165.50	Per Mtr	24825.00
7	61/7.8.2	Labour charges for lying of 1.1 KV class UG cable when supplied agency in existing trench GI pipe / stoneware pipe / on wall /on pole as required. I. In existing trench/duct.b)25sqmm to 75 sqmm	250	16.00	Per Mtr	4000.00
8	7.9	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7)In soil (ordinary)	200	78.00	Per Mtr	15600.00
9	46/6.13.A.1	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps25kA.	16	4044.00	Nos	64704.00

10	33/5.8 5	Supplying and Fixing ..... including all Hardware's etc. complete as per the standard technical specification of BESCOM. RCC Clamp	10	84.00	Each	840.00
11	6.7.3	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.63Amps	24	234.00	Each	5616.00
12	47/6.1 6.6	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.f)40-63Amps TPN,	12	1936.00	Each	23232.00
13	6.4.2	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete.16SWG	133000	0.33	Sqcm	43890.00
14	46/6.1 2.4	Supply and fixing of 4-pole power contactor with NO/NC contacts on existing wood / panel board using necessary bolts, nuts, washers and wiring etc., complete. d) 100-125 Amps	33	9915.00	Each	327195.00
15	6/2.6.7	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and **Copper** conductor single core cable in open or consealed system of wiring.I Group A Materials.g)16 sqmm	100	132.00	Per Mtr	13200.00
16	17/3.1 0	Supplying and fixing phylum brand hand plastic sheet 3mm thick with necessary niches for fixing switches, regulators etc., and fixing on exisiting wood or metal box using N.F.screws	48600	0.22	Sqcm	10692.00
17	49/6.3 9.1	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)40X40X6mm	31	263.00	Per Mtr	8153.00
18	6 32 / 9	Supplying and fixing electro mechanical timer (without contactor) using necessary bolts, nuts and waqshers etc.. Group A, PWD Elec SR 2006-07.	20	4200	Nos	84000.00
		BESCOM SR 2016-17				0.00
19	1.1.1	Digging of Pits 1.8 mtr depth for errection of 9 to 10mtr Long Steel/RCC/PSC supports as per approved Drawing.Ordinary Soil	6	378	Nos	2268.00

20	2.1	Erection of steel supports 9.0 to 10.00 mtr long suchas 22.68 kg (50 lbs) Rail, 27.22 kg (60 Lbs) Rail IBeam of sizes 200x100mm, 175x90 mm, 125x100mm. Fabricates poles tubular poles in pits of 1.8 mtrDepth, Aligning, Refilling with soil and ramming asapproved drawing	6	304	Nos	1824.00
21	1.8.2	Pole concreting with CC 1:2:4 (without coping) f) 8mtrs support (400x400x1500mm)	6	982	Nos	5892.00
22	17.1	Any Dismantling work 90% of the corresponding erection charges(304x90%=273.6)	3	273.6	Nos	820.80
23	27.1	Transportation using 7.5/10 Tons Lorry Rs. 23 per Kms subjected to a minimum of Rs. 1200/-per day (shifting of Panel boards & Poles)	4	1200	Days	4800.00
24	48.1	Laying of UG Cables by trenchless technology by adopting horizontalboring & Drawing of cable including preparation at site With HDPE Pipei) Normal soil 5" bore size	80	848	Mtrs	67840.00
25	pwd sr	Providing and laying in position reinforced cement concrete of nominal mix 1:1.5:3 using 20mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15 cm thick vibrated for all works , in foundation, plinth and sills including cost of all materials,labour,HOM of machinery, curring complete as per sepecifications (P-12 It no.4.11)	1	5490.72	Cmt	5490.72
		Mislenious				30.98
		Total				**1000000.00**

CERTIFICATE

1. The Place was inspected and work is essential.
2. The Provision made in the estimate is adequate and are necessary.
3. The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds.
4. The rates in the Estimate is based on PWD (Elec) SR of 2014-15 .

Jr/Asst. Engineer (Elec)

Asst. Exe.Engineer (Elec)
yelhanka zone
Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEC)
YELHANKA ZONE
BRUHAT BANGALORE MAHANAGARA PALIKE

Administrative Sanction for Rs. 10.00 lacks
Ten Lakh only
is accord the under head P1888 Maintenance
Including electrification of International
Air port Road
Registered as EE No. ..... Subject
to conditions contained in enclosed memo
No. EE/Ele/42/As/23/16.17 dat. 02.03.2017

Executive Engineer

TECHNICAL SANCTION FOR Rs. 10.00 Lacks
Rupees Ten Lakhs only
P1888 Maintenance Including
Electrification of International Airport Road
Registered as EE No. 99
Subject to conditions contained in
enclosed memo No. EE/Ele/42/TS/24/16.17
Dt. 03.03.2017
Estimate A/ Sanctioned
EE/Ele/42/AS/23/2016.17
Dated 02.03.2017 Rs. 10.00 Lakhs

Executive Engineer